

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L5	367	600/513.ccls. and @ad<"20040506"	US-PGPUB; USPAT; USOCR; EPO	SAME	OFF	2011/02/02 12:40
L8	102	5 and (volume or pressure) and diastol\$4	US-PGPUB; USPAT; USOCR; EPO	SAME	OFF	2011/02/02 12:44
L9	3	5 and (volume or pressure) and diastol\$4 and (ventricular with stress)	US-PGPUB; USPAT; USOCR; EPO	SAME	OFF	2011/02/02 12:45
L10	0	5 and (volume or pressure) and diastol\$4 and (ventricular near stress)	US-PGPUB; USPAT; USOCR; EPO	SAME	OFF	2011/02/02 12:47
L11	35	5 and (volume or pressure) and diastol\$4 and implant\$4	US-PGPUB; USPAT; USOCR; EPO	SAME	OFF	2011/02/02 13:03
L12	5	5 and (volume or pressure) and (diastol\$4 near (phase or period)) and implant\$4	US-PGPUB; USPAT; USOCR; EPO	SAME	OFF	2011/02/02 13:05
L13	17	("4774950"   "5040540"   "5083563"   "5105810"   "5163429"   "5324326"   "5368040"   "5626623"   "5743267"   "5843135"). PN. OR ("6915162"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2011/02/02 13:14
L14	11	((("4774950"   "5040540"   "5083563"   "5105810"   "5163429"   "5324326"   "5368040"   "5626623"   "5743267"   "5843135"). PN. OR ("6915162"). URPN.) and @ad<"20040506"	US-PGPUB; USPAT; USOCR	OR	ON	2011/02/02 13:14

## EAST Search History (Interference)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	0	((An implantable medical apparatus for detecting diastolic heart failure) and (a sensor configured to interact "with" a heart to obtain information associated "with" functioning of the heart) and (a DHF determining device supplied "with" said information that detects a DHF state of the heart from said information by extracting from said information a time duration between predetermined diastolic events in a diastolic phase of the heart representing only a portion of said diastolic phase) and (determining that said DHF state exists) and (emitting an output signal indicating said DHF state when said time duration exceeds an upper limit value "or" is below a lower limit value)).clm.	USPAT; UPAD	SAME	OFF	2011/02/02 11:07
L2	0	((An implantable cardiac pacemaker) and (a pulse generator that emits stimulation pulses) and (an electrode system configured to interact with the heart of a subject to deliver said stimulation pulses to the heart in a pacing therapy regimen) and (a sensor configured to interact "with" a heart to obtain information	USPAT; UPAD	SAME	OFF	2011/02/02 11:10

associated "with" functioning of the heart) and (a DHF determining device supplied "with" said information that detects a DHF state of the heart from said information by extracting from said information a time duration between predetermined diastolic events in a diastolic phase of the heart representing only a portion of said diastolic phase) and (determining that said DHF state exists) and (emitting an output signal indicating said DHF state when said time duration exceeds an upper limit value "or" is below a lower limit value) and (a control unit connected to said DHF determining device) and (to said pulse generator) and (said control device being supplied "with" said detector output "and" controlling said pulse generator to modify said pacing therapy regimen dependent on said DHF parameter)).  
clm.

L4	0	((A method for detecting diastolic heart failure) and (a sensor configured to interact "with" a heart, obtaining information associated "with" functioning of the heart) and (in a computerized processor, automatically electronically detecting a DHF state of the heart from said information by extracting, from said information, a time duration between predetermined diastolic events in a diastolic phase of the heart representing only a portion of the diastolic phase) and (determining that said DHF state exists) and (emitting an output signal indicating said DHF state "when" said time duration exceeds an upper limit value "or" is below a lower limit value) and ("when" said DHF state is determined to exist, emitting an output signal from said processor indicating that said diastolic state exists)). clm.	USPAT; UPAD	SAME	OFF	2011/02/02 12:30
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